

**Export Control Coordinators Organization  
2015 Training Seminar  
BIOS**



**ALEXANDER K. LOPES, JR.  
DIRECTOR  
OFFICE OF NONPROLIFERATION AND TREATY COMPLIANCE  
BUREAU OF INDUSTRY AND SECURITY**

Alex Lopes joined the Commerce Department's Bureau of Industry and Security in 2002 as an export licensing officer. He was appointed to the Senior Executive Service and selected to his current position as Director, Office of Nonproliferation and Treaty Compliance in August 2008. His office is responsible for developing, refining and implementing export controls on dual use items that may contribute to the development of nuclear, chemical or biological weapons and for missile delivery systems. He is also responsible for administering U.S. unilateral export controls including exports of items controlled for protection of human rights and export controls associated with international sanctions. His Office represents the Department in multilateral export control regimes including the Australia Group for controls of dual use chemical and biological items, the Nuclear Suppliers Group and the Missile Technology Controls Regime. His office has a leading role in the Bureau's effort to engage foreign governments and industries to strengthen and align their domestic and internal export controls with international norms to enhance compliance with the Export Administration Regulations and insure U.S. origin items are not diverted to countries, end users and end uses of proliferation concern. In addition to export control responsibilities, his office also has cognizance over U.S. industry compliance with international arms control treaties including the Chemical Weapons Convention and Additional Protocol to the Nuclear Nonproliferation Treaty.

During his tenure as Office Director, he was awarded the Department of Commerce Gold Medal for his technical expertise in implementation of President Obama's directive to reform the United States' export control system to address the national security challenges of the 21<sup>st</sup> century. He was also awarded the Department of Commerce Silver Medal for transforming export control cooperation and furthering the bilateral trade and security relationship with India.

Prior to assuming his current responsibilities, Mr. Lopes was the Director, Deemed Exports and Electronics Division in the Office of National Security and Technology Transfer Controls. He was awarded the Department of Commerce Bronze Medal for developing and implementing outreach and compliance programs related to the release of export controlled technology to foreign nationals in the United States.

Prior to joining the Commerce Department, Mr. Lopes served in the United States Navy as a nuclear submariner and was a high school physics teacher. He holds a Master of Education Degree from George

Mason University and a Bachelor of Science in Systems Engineering from the United States Naval Academy.

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**Anita C. Zinzuvadia**  
**Licensing Officer/Electrical Engineer**  
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Anita Zinzuvadia is a Licensing Officer and Electrical Engineer with the Bureau of Industry and Security (BIS), Office of National Security & Technology Transfer Controls. Her main area of focus is encryption export controls. As a licensing officer she performs technical and policy analysis including technical review requests, export license reviews and commodity jurisdiction determinations for encryption and other information technology items. From 2008 to 2010 Anita had the unique opportunity to be co-located with the Western Regional Office of BIS in Newport Beach, CA where she worked closely with technology companies and organizations located throughout the western region on encryption issues.

Anita is also a registered Patent Agent. She has performed patent prosecution for a wide range of software and hardware technologies. Anita is a graduate of North Carolina State University where she received her degree in Electrical Engineering.

**GRETCHEN E. HUND**  
**Director, Center for Global Security**  
**Senior Scientist**  
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Ms. Hund has 30 years of experience addressing topics that combine science, technology, and public policy issues. For the past eight years her research has focused on engaging companies that are part of the nuclear commodity supply chain to take a more proactive approach in controlling and securing their goods and services so that they do not end up in the wrong hands --industry self-regulation in support nuclear nonproliferation. Specifically she has assessed approaches for rewarding companies that go beyond compliance for supporting nonproliferation. She has also investigated how a third party might be used by companies to report on possible illicit procurement attempts and to share best practices among member companies.

From 1985-1990, Ms. Hund was a senior analyst at the US Congressional Office of Technology Assessment, specializing in environmental issues including radioactive waste management and wastes in the marine environment.

Ms. Hund has a BA in Geology from Middlebury College and an MS in Political Science with a concentration in science, technology, and public policy from the Massachusetts Institute of Technology.

**Gary R. Langlie**  
**Licensing Officer**  
**Office of International Programs**  
**U.S. Nuclear Regulatory Commission**

Gary is an Export and Import Licensing Officer at the U.S. Nuclear Regulatory Commission (NRC) in the Export Controls and Nonproliferation Branch, Office of International Programs. Gary's primary responsibilities include reviewing licensing applications, drafting Commission level papers for the export of HEU, coordinating DOE/NNSA Part 810 submissions to the agency and drafting responses to NNSA Subsequent Arrangements, and working with State Department on requests for assurance obligations relating to transfers of nuclear technology information from foreign companies to U.S. industry. Gary has also managed NRC Executive Order mandated programs relating to classified programs, original and derivative classifier training, and worked with the Quadripartite countries in setting up the regulatory framework to allow construction and operation of the first uranium enrichment plant (European centrifuges) in the U.S. in decades. Prior to joining the NRC, Gary was the Security Manager of a DOD-cleared company (under FOCI) that performed in the DOD/IC world and he also worked in residential real estate sales. Gary started his career as an Army Intelligence Officer working on the East/West German border as well as working at the Army Operations Center, Pentagon and the White House Situation Room as a Senior Duty Officer. Gary has a B.S. in Economics from Colorado State University.

**Heather Smith**  
**Office of Foreign Assets Control**

Heather Smith is a Sanctions Licensing Officer with the Treasury Department's Office of Foreign Assets Control (OFAC). As a Licensing Officer with OFAC's Licensing Division, Heather processes applications received under various sanctions programs. The majority of her work focuses on Ukraine-related sanctions, Cuba transactional issues, and the Burma sanctions program.

**Tod Caldwell**  
**National Nuclear Security Agency**

Tod Caldwell works for the U.S. Department of Energy's National Nuclear Security Administration (NNSA) managing domestic export controls for dual use goods and technology as part of U.S. intergovernmental efforts, as well as interdiction efforts with the interagency. As a member of the NNSA's Export Control Review and Compliance Guidance and Interdiction (ECRC-I) Program since 2008, Dr. Caldwell has led efforts to optimize activities and reviews in identifying key issues, practices and policies on export controls as well as supporting interdiction activities. The primary goal of this program is to ensure legitimate trade and exchanges while aiding efforts against proliferation, i.e., illicit trafficking of materials and technology.

Dr. Caldwell holds a Ph.D. in Physics from Florida State University (Tallahassee, FL), was a post-doc at Los Alamos National Laboratory, worked for National Security Technologies at Nellis AFB, Nevada Nuclear Security Site, and Andrews AFB.

**Richard Cupitt**  
**State Department**

Dr. Richard T. Cupitt serves as the U.S. UNSCR 1540 Special Coordinator in the Office of Counterproliferation Initiatives at the U.S. State Department, fostering the implementation of UNSCR 1540 nationally and globally. From 2005 to 2012, he worked as an Expert for the Committee established pursuant to UN Security Council resolution 1540 (2004). As such he helped monitor and facilitate

implementation of the more than two hundred obligations and recommendations of resolution 1540 in all UN Member States, along with building relationships with more than forty international organizations, industry and academia.

Dr. Cupitt held a position as Scholar-in-Residence at American University from 2004-2008, after serving as Special Adviser for International Cooperation for the U.S. Undersecretary of Commerce in the Bureau of Industry and Security from 2002-2004. From 1988-2002, Dr. Cupitt had various posts for the Center International Trade and Security (CITS) of the University of Georgia, including Associate Director, and also as a visiting scholar at the Center for Strategic and International Studies (CSIS). Dr. Cupitt also has held academic positions at Emory University and the University of North Texas. He has produced four books and more than 20 peer-reviewed articles on nonproliferation export controls, along with dozens of other security or trade-oriented publications. In addition, he has served as a consultant on projects for the U.S. State Department, several U.S. national commissions and U.S. national nuclear laboratories, and several international organizations.

### **Gary Hagen** **Pacific Northwest National Laboratory**

Gary Hagen is an export controls professional at Pacific Northwest National Laboratory, located right next-door to DOE's Hanford site in south-eastern Washington state. Gary is a former Chair of ECCO and coordinated the 2013 ECCO Annual Training Seminar in Washington, D.C. Prior to joining PNNL in 2010, he had been the Export Controls Officer for Idaho's largest research university.

Similar to many large research universities, PNNL is largely comprised of an open-style research campus. And as with university campuses, at any one point in time, nearly 20 percent of the personnel at the Lab can be foreign persons. While a large percentage of the projects at PNNL are fundamental research, other projects are not. In addition, even some of those fundamental research projects are at times conducted utilizing equipment controlled under the ITAR, or found in the 600 series of the CCL. Classification and license questions abound. :)

Gary will be presenting an overview of Export Control Reform's definition of "Specially Designed" as found within the Order of Review.

### **Sarah-Jane Maynard** **Los Alamos National Laboratory**

Sarah Maynard is the Team Leader for Export Control in the Safeguards Division of the Los Alamos National Laboratory (LANL). Export Control is responsible for all export control reviews and logistics for foreign shipments. She has been the Chair of the Laboratory's Export Working Group (EWG) since appointed in 1993. The LANL EWG ties all facets of export control together for the Laboratory and is responsible for internal requirements/procedures, training programs and corrective actions that facilitate international interactions, minimize adverse programmatic impacts and ensure implementation of all export control laws and regulations and DOE directives/policies that have been incorporated in LANS (parent organization) contract. Sarah is the Communications Officer for the Export Control Coordinators Organization (ECCO) which is a DOE-wide organization involved with training, monitoring regulatory changes, and issues regarding imports, exports and high risk property. Sarah has an MBA from the College of Santa Fe. She is a licensed Customs Broker and an International Defensive Pistol Association (IDPA) Safety Officer.

# BUREAU OF INDUSTRY AND SECURITY



## BIOGRAPHY

Todd E. Willis



**CURRENT ASSIGNMENT:** Mr. Willis is the Director of the Munitions Control Division within the Office of Strategic Industries and Economic Security at the Bureau of Industry and Security (BIS). In this newly created Division he supervises, coordinates and expedites the process of munitions export licenses under the regulatory jurisdiction of the Department of Commerce (DOC). These responsibilities include serving as the senior advisor on dual-use and munitions technology issues within DoC and coordinating the review of export control issues among relevant USG organizations. Mr. Willis team also has lead responsibility to liaison with outside USG agencies, industry and international partners on DoC munitions concerns and regulatory reviews to protect U.S. interest and national security.

**PAST EXPERIENCES:** Prior to joining BIS, Mr. Willis was the Division Chief for the Dual-Use Licensing Division within the Defense Technology Security Administration (DTSA). There he supervised the work of a staff of civilian and military personnel to provide the Department of Defense (DOD) official decision on commercial dual-use export licensing reviews. These responsibilities included serving as the senior advisor on dual-use technology issues within DTSA and coordinating the review of export control issues among relevant DOD organizations including military departments, the Joint Staff, the Office of the Secretary of Defense and others.

Previous assignments before joining DoD include Assistant Director for the Office of Enforcement Analysis within the Bureau of Industry and Security (BIS), U.S. Department of Commerce where his responsibilities included managing the BIS end-use check program analyzing U.S. export transactions and coordinating foreign end-user visits. In this role, Mr. Willis also managed the BIS Export Control Officers, special agents stationed abroad, in China, Hong Kong, India, Russia and the United Arab Emirates; his international responsibilities also included the coordination efforts with Foreign Commercial Service officers.

Previous to this assignment within BIS, Mr. Willis was the Senior Export Policy Advisor for the Office of National Security and Technology Transfer Controls. This office was the focal point within BIS for issues related to the transfer of technology. In this role Mr. Willis was named the Department of Commerce White House Liaison to the academic and research community for export control issues. Mr. Willis worked in the Department of Commerce for seven years.

Before joining the Department of Commerce, Mr. Willis was the Economic Development and Public Policy Director for the Oakland Metropolitan Chamber of Commerce in Oakland, California. In conjunction with this position, Mr. Willis was also an adjunct professor for California State University, Hayward School of Business and Economics and founded Global Trade Alliance Corporation a trade consulting firm. This followed over ten years of industry experience concentrating in the finance and technology fields. Prior to this Mr. Willis spent 6 years in the United States Army as an Armor and Intelligence Officer.

**EDUCATION:** *Mr. Willis graduated cum laude with a Master of Business Administration Degree from California State University, Hayward and has a Bachelor of Arts in Political Economics from the University of Pacific.*

**Goorevich, Richard**  
**Director**  
**Office of International Regimes & Agreements**  
**National Nuclear Security Agency**

Richard S. Goorevich is the Director of the Office of International Regimes and Agreements in the U.S. Department of Energy's National Nuclear Security Agency. His office is responsible for providing technical guidance to the USG on international nuclear affairs, nuclear safeguards, nuclear and WMD Dual-Use export control policies, and international physical protection requirements. He frequently serves as a negotiator for US agreements for nuclear cooperation and has served as a delegate to the IAEA General Conference and the NPT Review Conference.

Mr. Goorevich is the current Chairman of the Nuclear Suppliers Group Consultative Group and is a member of the USG's delegation to the NPT Exporter's Committee. His office is also responsible for the issuing of US export authorizations for nuclear assistance, commonly referred to as "810 authorizations".

Prior to joining the Office of International Regimes and Agreements, Mr. Goorevich spent two years working in the Department of Energy's New Production Reactor Program.

Mr. Goorevich received his B.A. in History from Miami University in 1988, and his M.A. in History from the University of Buffalo in 1990.

**Joy Torres**  
**Los Alamos National Laboratory**

Joy Torres is an Export Control Analyst in the Safeguards Division at Los Alamos National Laboratory (LANL). Export Control is responsible for all export/import control reviews, training and logistics planning for foreign incoming and outgoing shipments. She has worked in Export Control at LANL for over 15 years and is a licensed Customs Broker.

**Bill Chappell**  
**Consolidated Nuclear Security, Y-12 Plant**

Biography: William D. Chappell

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W. D. (Bill) Chappell, Export Compliance Manager and Empowered Official of the Y-12 National Security Complex in Oak Ridge, Tennessee. Y-12 is operated by CNS, and is part of the Department of Energy's National Security Enterprise. Bill earned a Bachelor's of Science in Mechanical Engineering from the University of Virginia, followed by a Masters in Business from Boston University (Cum Laude). Prior to joining Y-12 in 1991, Bill worked as Engineer, Engineering Manager, and Plant Manager at two different manufacturing plants. At Y-12, prior to becoming Export Compliance Manager in 1998, Bill was a Contracts Manager working in areas of award fee, metrics, command media, and compliance documents. As Export Compliance Manager/Empowered Official, Bill developed the Y-12 Export Compliance Program covering areas such as document reviews, high risk property reviews, foreign visits and assignments, foreign travel, procurement, mutual defense agreements, international



nonproliferation programs, foreign shipments and Technology Transfers. Bill has completed numerous government export and nonproliferation training programs including U.S. Department of Commerce, U.S. Department of State, U.S. Nuclear Regulatory Commission, U.S. Department of Energy and the National Nuclear Security Administration. Bill has also been a derivative classifier for Y-12 for over 20 years, and co-authored the 2013 NAP-23 for NNSA. Bill has served as the Vice Chair and Chair of ECCO and this is his 17<sup>th</sup> consecutive ECCO he has attended.

**Lesa Brownell**  
**Kansas City Plant**

Lesa Brownell is the Import Export Compliance Leader at Honeywell Federal Manufacturing & Technologies, which manages and operates the Department of Energy's National Security Campus. With more than 2,600 employees in Kansas City and Albuquerque, the National Security Campus provides diverse engineering, manufacturing and secures sourcing services for national security.

Lesa came to Honeywell FM&T in 2011 with over 25 years of international business experience. Prior to this position, Lesa worked as an independent contractor traveling worldwide assisting companies in the development of their export compliance programs.

In this position, Lesa is responsible for implementing compliance for imports and exports, technical reviews, and providing compliance training. She works closely with counter intelligence, cyber security and the nuclear enterprise assurance groups to approve suppliers prior to release of export controlled information.

Lesa will be presenting an overview of an Export Control Approved Suppliers Resource Center as a potential opportunity to reduce enterprise risk in providing shared resources.

**Kevin Whattam**  
**Pacific Northwest National Laboratory**

Kevin Whattam, Pacific Northwest National Laboratory on detail as Export Control Manager (HMEM-DR) for the Office of International Nuclear Security (NA-211); National Nuclear Security Administration.

Bio:

Kevin has worked at Pacific Northwest National Laboratory for 22 years as a researcher, manager and senior technical advisor; for the past 10 years Kevin's work has primarily focused in the field of export control and nonproliferation.

At PNNL, Kevin provides expert technical analysis to the Laboratory's Export Control Compliance Office, where he reviews technical projects and property for export classification determination, and provides strategic advice to management on developing more robust lab capabilities for ensuring effective export control compliance and awareness. In addition to this effort, Kevin is the PNNL manager for NNSA's Domestic Export Control Enforcement Program; where he leads a PNNL team providing export control technical support to US law enforcement agencies. Kevin is a Lecturer at the University Of Washington Jackson School of International Affairs where he teaches a senior level undergraduate/graduate course on Export Control and Illicit Nuclear Trafficking. Along with his work in export control, Kevin is the PNNL Relationship Manager for the Office of Nuclear Threat Science (NNSA-NA82) where he works closely with PNNL technical experts to deliver cutting edge science in the areas of material characterization and explosives forensics to this NNSA Office.

During his tenure in export control, Kevin has served as the US Department of Energy's Technical Lead

for export control cooperation in the Middle East; Southeast Asia, China, Japan and Korea; the PNNL manager for NNSA's Export Licensing Program (providing technical analysis of U.S. DOC license applications) technical lead for the International Technology Assessment Group; and as the DOE/NNSA technical lead for the US DOE/Republic of Korea Memorandum of Cooperation on Export Control. Over the course of his career Kevin has worked on the US DOE International Nuclear Safety Program, providing technical upgrades at Soviet-designed nuclear power plants; led a US/Ukraine/Russian R&D program to develop gamma irradiation technology, and as the chief spokesperson for plant operations at Washington State's commercial nuclear power plant. Kevin completed his master's in technology management from Cambridge University (UK); BS/BJ from University of Missouri and AE from Linn State. Kevin is a Massachusetts Institute of Technology (MIT) Seminar XXI Fellow.